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OM protein - protein search, using sw model

Run on: June 18, 2003, 15:26:51 ; Search time 13.1269 seconds

(without alignments)
775.530 Million cell updates/sec

Title: US-09-807-933b-11

Perfect score: 1895
Sequence: 1 MKRSTIASALLLAASSTVAA.....TFKAVTCPAEIIAKTGCERK 346

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summariesDatabase : Issued Patents AA:*
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2: /cgn2_6/prodata/1/aa/5B_COMB.pep.*
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27: /cgn2_6/prodata/1/aa/6Y_COMB.pep.*
28: /cgn2_6/prodata/1/aa/6Z_COMB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	698.5	36.9	306	4 US-09-189-0608-68	Sequence 68, Appl
2	686.5	36.2	299	2 US-08-872-437-2	Sequence 2, Appl
3	686.5	36.2	299	3 US-08-651-136C-12	Sequence 12, Appl
4	686.5	36.2	299	4 US-09-229-911A-12	Sequence 12, Appl
5	683.5	36.1	222	3 US-08-651-136C-14	Sequence 14, Appl
6	683.5	36.1	222	4 US-09-229-911A-14	Sequence 14, Appl
7	683.5	36.1	222	4 US-08-651-136C-24	Sequence 24, Appl
8	683.5	36.1	294	4 US-09-229-911A-24	Sequence 24, Appl
9	681.5	36.0	304	4 US-09-189-0608-72	Sequence 72, Appl
10	680	35.9	349	4 US-08-651-136C-10	Sequence 10, Appl
11	680	35.9	349	4 US-08-229-911A-10	Sequence 10, Appl
12	678.5	35.8	225	3 US-08-651-136C-2	Sequence 2, Appl
13	678.5	35.8	225	4 US-09-229-911A-2	Sequence 2, Appl
14	678.5	35.8	297	3 US-08-651-136C-4	Sequence 4, Appl
15	678.5	35.8	297	4 US-09-229-911A-4	Sequence 4, Appl
16	678.5	35.8	308	3 US-08-651-136C-6	Sequence 6, Appl
17	678.5	35.8	308	4 US-09-229-911A-6	Sequence 6, Appl
18	668	35.7	310	3 US-08-651-136C-22	Sequence 22, Appl
19	668	35.7	310	4 US-09-229-911A-22	Sequence 22, Appl
20	665	35.1	307	4 US-09-189-0608-74	Sequence 74, Appl
21	664.5	35.1	308	4 US-09-189-0608-70	Sequence 70, Appl
22	657.5	34.7	285	4 US-09-189-0608-66	Sequence 66, Appl
23	654	34.5	285	4 US-09-230-225B-6	Sequence 6, Appl
24	654	34.5	305	4 US-09-230-222-1	Sequence 1, Appl
25	653	34.5	305	4 US-09-254-733-3	Sequence 3, Appl
26	652	34.4	234	4 US-09-230-665-6	Sequence 6, Appl
27	652	34.4	305	1 US-08-090-013-2	Sequence 2, Appl

28	652	34.4	305	1 US-08-081-328-2	Sequence 2, Appl
29	652	34.4	305	1 US-08-232-249-2	Sequence 2, Appl
30	652	34.4	305	2 US-08-921-425-8	Sequence 8, Appl
31	652	34.4	305	2 US-08-833-642A-2	Sequence 2, Appl
32	652	34.4	305	2 US-08-140-008A-4	Sequence 4, Appl
33	652	34.4	305	2 US-08-836-340-1	Sequence 1, Appl
34	652	34.4	305	2 US-08-389-423-2	Sequence 2, Appl
35	652	34.4	305	3 US-08-816-915-8	Sequence 8, Appl
36	652	34.4	305	4 US-09-230-665-2	Sequence 56, Appl
37	652	34.4	305	4 US-09-230-665-2	Sequence 2, Appl
38	652	34.4	305	4 US-09-189-028-2	Sequence 2, Appl
39	652	34.4	305	5 PCT-US95-07743-8	Sequence 8, Appl
40	651.5	34.4	235	4 US-09-329-350-31	Sequence 31, Appl
41	651	34.4	284	1 US-08-411-777-10	Sequence 10, Appl
42	651	34.4	284	3 US-09-057-088-10	Sequence 10, Appl
43	644.5	34.0	357	1 US-08-411-777-9	Sequence 9, Appl
44	644.5	34.0	357	3 US-09-057-088-9	Sequence 9, Appl
45	644.5	34.0	376	1 US-08-090-013-4	Sequence 4, Appl

ALIGNMENTS

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RESULT 1
US-09-189-0608-68
; Sequence 68, Application US/09189060B
; Patent No. 6270968
; GENERAL INFORMATION:
; APPLICANT: Dalboge, Henrik
; APPLICANT: Sandal, Thomas
; APPLICANT: Kauppinen, Markus
; APPLICANT: Borge, Diderichsen
; TITLE OF INVENTION: Method Of Providing No. 6270968el DNA Sequences
; FILE REFERENCE: 4772.204-US
; CURRENT APPLICATION NUMBER: US/09/189,060B
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: PCT/DK97/00216
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: FASTSEQ for Windows Version 4.0
; LENGTH: 306
; SEQ ID NO 68
; TYPE: PRT
; ORGANISM: Hybrid
US-09-189-0608-68
Query Match 36.9%; Score 698.5; DB 4; Length 306;
Best Local Similarity 57.7%; Pred. No. 6.5e-53;
Matches 123; Conservative 25; Mismatches 62; Indels 3; Gaps 1;
QY 133 GYPIGGFSGNGRTTRYNDCCPKSCAMDGKASVTPVLTCAKDGVSRGSDVQSGCVG 192
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DB 14 GLQVAPAPAPADRSRTRWDCCPKSCMDKASVAPVLTCDKNDPISDANAVSCNG 73
QY 193 QAYMCDNDPWWNDLAVGFAAASISGASAFCCGCELTFTNTAVAGKKVVOVTNT 252
||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 74 TSTTCNNBFWAVNDLAVGFAATKLSGSESSMCACATLFTTTPVKGKTVVOSTNT 133
QY 253 GDDLTSTNHPDLQWPGGVGVFNCGOSQWNTNTDGMGARVYGISISSECDKLPLOAGCK 312
||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 134 GGLGHNHNDLQWPGGVGVIPDGCSSQW---GLGGAQYGISRSRDCOSFPLLDGCV 190
QY 313 WRFGRFANDNPEVTKAVTCPAEIIAKTGCER 345
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DB 191 WRYDFKNDNPSFSSFROVQCPAEIVARTGCR 223
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RESULT 2
US-08-872-437-2
; Sequence 2, Application US/08872437
; Patent No. 5958082
; GENERAL INFORMATION:
; APPLICANT: Lund, Henrik
```

APPLICANT: Kallum, Lisbeth
TITLE OF INVENTION: Garments With Considerable Variation In
FILE OF INVENTION: Abrasion Level
FILE REFERENCE: 4888.200-US
CURRENT APPLICATION NUMBER: US/08/872,437
CURRENT FILING DATE: 1997-06-10
EARLIER APPLICATION NUMBER: 1276/96
EARLIER FILING DATE: 1996-11-13
NUMBER OF SEQ ID NOS: 2
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 299
TYPE: PRT
ORGANISM: Thielavia terrestris
US-08-872-437-2

Query Match 36.2%; Score 686.5; DB 2; Length 299;
Best Local Similarity 53.6%; Pred. No. 6.9e-52;
Matches 125; Conservative 31; Mismatches 66; Indels 11; Gaps 2;

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2 RSTPLRTTLAALPL-----VASAASGSGSTRWDCCKRSCAMPKRAVSOPIYA 53
Qy 173 CAKDGVSRIGSDVSGCVGQAYWCNDNQPVVNDLAVGFAAASLGSAGASAFCCGYE 232
54 CDANFQRLSDPNTVSGCGNGSAYSCADQTPMAVNDNLAVGFAATSIAGSESSWCACYA 113
Db 233 LFTNTAVAGKKEVYQVNTNTGDDLSTNHFDLQMPGGGVGFNGCQSQMNTNTDGMARYG 292
114 LFTSGPVAGKTMVVOSTSTGDLGSGNPDIMPGGGVGIFNGCSSQFGGLP---GAQYG 170
Qy 293 GISISSECDKLPTQLAGCKMRFGMFKNADNPEVTFAVTCPAEIIAKTGCR 345
Db 171 GISRDQCDSPFAPLKRGCQWRPFQVNDNPTFTFOVQCPAEIVASGCKR 223

RESULT 3

US-08-651-136C-12
Sequence 12, Application US/08651136C
Patent No. 6001639
GENERAL INFORMATION:
APPLICANT: Schulein, Martin
APPLICANT: Andersen, Lene N.
APPLICANT: Lassen, Soren F.
APPLICANT: Kaupinen, Markus S.
APPLICANT: Lange, Lene
APPLICANT: Nielsen, Ruby I.
APPLICANT: Ihara, Michiko
APPLICANT: Takagi, Shinobu
TITLE OF INVENTION: No. 6001639e1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6001639o No. 6001639dsk of No. 6001639th America, Inc.
STREET: 405 Lexington Avenue, 64th floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136C
FILING DATE: 21-MAY-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 299 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-651-136C-12

Query Match 36.2%; Score 686.5; DB 3; Length 299;
Best Local Similarity 53.6%; Pred. No. 6.9e-52;
Matches 125; Conservative 31; Mismatches 66; Indels 11; Gaps 2;

Qy 113 KTTTNTTAAATTTSSNTGYSPISGFGNGRTTRWDCCPCPCAMDGKASTKPVLT 172
2 RSTPLRTTLAALPL-----VASAASGSGSTRWDCCKRSCAMPKRAVSOPIYA 53
Db 173 CAKDGVSRIGSDVSGCVGQAYWCNDNQPVVNDLAVGFAAASLGSAGASAFCCGYE 232
54 CDANFQRLSDPNTVSGCGNGSAYSCADQTPMAVNDNLAVGFAATSIAGSESSWCACYA 113
Qy 233 LFTNTAVAGKKEVYQVNTNTGDDLSTNHFDLQMPGGGVGFNGCQSQMNTNTDGMARYG 292
114 LFTSGPVAGKTMVVOSTSTGDLGSGNPDIMPGGGVGIFNGCSSQFGGLP---GAQYG 170
Db 293 GISISSECDKLPTQLAGCKMRFGMFKNADNPEVTFAVTCPAEIIAKTGCR 345
171 GISRDQCDSPFAPLKRGCQWRPFQVNDNPTFTFOVQCPAEIVASGCKR 223

RESULT 4

US-09-229-911A-12
Sequence 12, Application US/09229911A
Patent No. 6387690
GENERAL INFORMATION:
APPLICANT: Schulein, Martin
APPLICANT: Andersen, Lene N.
APPLICANT: Lassen, Soren F.
APPLICANT: Kaupinen, Markus S.
APPLICANT: Lange, Lene
APPLICANT: Nielsen, Ruby I.
APPLICANT: Ihara, Michiko
APPLICANT: Takagi, Shinobu
TITLE OF INVENTION: No. 6387690e1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6387690o No. 6387690dsk of No. 6387690th America, Inc.
STREET: 405 Lexington Avenue, 64th floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/229,911A
FILING DATE: 13-Jan-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 12:

SEQUENCE CHARACTERISTICS:

LENGTH: 299 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 12:

US-09-229-911A-12

Query Match 36.2%; Score 686.5; DB 4; Length 299;

Best Local Similarity 53.6%; Pred. No. 6.9e-52; Matches 125; Conservative 31; Mismatches 66; Indels 11; Gaps 2;

QY 113 KTTTKTTTAAATTTSSNTGVSPIGSGFSGNGRTTRYMDCCKRSCAMDKASVTRPVLT 172

DB 2 RSTPVARTLTAALPL-----VASASGSGSQRTRMDCCKRSCAMDKASVTRPVYA 53

QY 173 CAKGVSRIGSDVQSCVCGQAYMCDNDQPVVNDLAVGAFAASIGSAGASAFCCGCE 232

DB 54 CDANFQRLSDPNVQSGCGSAYSCADQTPWAVNDLAVGAFAATSIAGSESSMCCACVA 113

QY 233 LFTFTNVAVGKRVQVNTGDDLSTNHFDLQMPGGGVGFNGCOSQMTNTDGMKARYG 292

DB 114 LFTSGPVAGKTVVSTGTGDLGSGNDFDIAMPGGGVGFNGCOSQFGGLP---GAQYG 170

QY 293 GISSISECDKLPLOAGCKRFGFKNADNPEVTFKAVTCPAIIIAKTGER 345

DB 171 GISSRQCCSFPAKRGCCMRDFQNMADNPTFTTQVQVCPAIIIVARSCKR 223

RESULT 5

US-08-651-136C-14

Sequence 14, Application US/08651136C

Patent No. 6001639

GENERAL INFORMATION:

APPLICANT: Schuelein, Martin

APPLICANT: Andersen, Lene N.

APPLICANT: Laessen, Soren F.

APPLICANT: Kauppinen, Markus S.

APPLICANT: Lange, Lene

APPLICANT: Nielsen, Ruby I.

APPLICANT: Ihara, Michiko

APPLICANT: Takagi, Shinobu

TITLE OF INVENTION: No. 6001639e1 Endoglucanases

NUMBER OF SEQUENCES: 109

CORRESPONDENCE ADDRESS:

ADDRESSER: No. 6001639e No. 6001639e1sk of No. 6001639th America, Inc.

STREET: 405 Lexington Avenue, 64th Floor

CITY: New York

STATE: New York

COUNTRY: United States of America

ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/651,136C

FILING DATE: 21-MAY-1996

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366.200-US

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:

LENGTH: 222 amino acids

TYPE: amino acid

TOPOLOGY: linear

US-08-651-136C-14

Query Match 36.1%; Score 683.5; DB 3; Length 222;

Best Local Similarity 58.6%; Pred. No. 8.6e-52; Matches 119; Conservative 30; Mismatches 51; Indels 3; Gaps 2;

QY 144 NGRTTRYMDCCKRSCAMDKASVTRPVLTCAKGVSRIGSD-VQSGCVGOAYMCDNDP 202

DB 21 SGVTRTRYMDCCKRSCAMDKASVTRPVLTCAKGVSRIGSD-VQSGCVGOAYMCDNDP 80

QY 203 WVNDLAVGAFAASIGSAGASAFCCGCELTFTNTAVAGKRVVQVNTGDDLSTNHFD 262

DB 81 MAVNDSLSYGAFAAKLSGKQETDCCGCVKLTFTSTAVAGKRVVQVNTGDDLSTNHFD 140

QY 263 LQMPGGGVGFNGCOSQMTNTDGMKARYGSISSICDCLPLOAGCKRFGFKNADN 322

DB 141 IMPGGGVGFNGCOSQMTNTDGMKARYGSISSICDCLPLOAGCKRFGFKNADN 198

QY 323 NPEVTFKAVTCPAIIIAKTGER 345

DB 199 NPEVTFKAVTCPAIIIAKTGER 221

RESULT 6

US-09-229-911A-14

Sequence 14, Application US/09229911A

Patent No. 6387690

GENERAL INFORMATION:

APPLICANT: Schuelein, Martin

APPLICANT: Andersen, Lene N.

APPLICANT: Laessen, Soren F.

APPLICANT: Kauppinen, Markus S.

APPLICANT: Lange, Lene

APPLICANT: Nielsen, Ruby I.

APPLICANT: Ihara, Michiko

APPLICANT: Takagi, Shinobu

TITLE OF INVENTION: No. 6387690e1 Endoglucanases

NUMBER OF SEQUENCES: 109

CORRESPONDENCE ADDRESS:

ADDRESSER: No. 6387690e No. 6387690e1sk of No. 6387690th America, Inc.

STREET: 405 Lexington Avenue, 64th Floor

CITY: New York

STATE: New York

COUNTRY: United States of America

ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/229,911A

FILING DATE: 13-Jan-1999

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/651,136

FILING DATE: 21-MAY-1996

ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366.200-US

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:

LENGTH: 222 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 14:

US-09-229-911A-14

	Query Match	36.1%	Score 683.5	DB 4	length 222
	Best Local Similarity	58.6%	Pred. No. 8.6e-52		
	Matches 119	Conservative 30	Mismatches 51	Indels 3	Gaps 2
QY	144	NGRTTRRYMDCCCKPSGAMDGKASVTKPVLTCADGVSRIGSD-VGSGCYGGAGYMCNDNOP	202		
Db	21	SGVTRRYMDCCCKPSGAMTGKASVSRVPGYCDINDNAQTPSDLKSSCDGSGYYCSNOGP	80		
QY	203	WVYNDLAVGFAPAAISLGSAGASAFCCGCELPFTNTAVAGKFFVQVTNTGDLSTNHPD	262		
Db	81	WAVYNDLSYGFAPAAISLGSQETDWCCKCYKLTFTSTAVSGKMIVQINTGDDLNNHPD	140		
QY	263	LQMPGGGVGYENGCSQMNNTNIDGKARGYISSISECDKLPYLQAGCKMFFGFKAAD	322		
Db	141	IAMPGGGVGIFENGCSKQW--NGINLGNNOYGGFTDRSSQCATLPSKQASCNMRFDFWENAD	198		
QY	323	NPEVTFKAVTQCPAEIITAKTGCSR	345		
Db	199	NFTVDMPEVTCQPEQLVARTGCSR	221		

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      RESULT 7
US-08-651-136C-24
; Sequence 24, Application US/08651136C
; Patent No. 6001639
; GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
APPLICANT: Andersen, Lene N.
APPLICANT: Lassen, Soren F.
APPLICANT: Kauppinen, Markus S.
APPLICANT: Lange, Lene
APPLICANT: Nielsen, Ruby I.
APPLICANT: Ihara, Michiko
APPLICANT: Takagi, Shinobu
TITLE OF INVENTION: No. 6001639e1 Endoglucaanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6001639o No. 6001639d disk of No. 6001639th America, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136C
FILING DATE: 21-MAY-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366,200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ. ID NO.: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 294 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-651-136C-24

Query Match          36.1%; Score 683.5; DB 3; Length 294;
Best Local Similarity 58.6%; Pred. No. 1,2e-51;
Matches 119; Conservative 30; Mismatches 51; Indels 3; Gaps 2

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Db      21  SGVTRRMYCCKRPSCAMTSGKASVSRPVGTCIDINDNAQTSPDLTKSSCDGSGAYVCSNQG  80

Qy      203  WVVNDDLAAGFAAASIGSAGASAFCCGCGYELFTNTVNAAGKKPVQVYNTNGDDLSITHFD  262
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Db      81  WAVNDLSISYGFAPAAKRSIGRQETDMDCCGCKLFTSTVSAAGQMIVQIINTSGDIGNHFD  140
      |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
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Qy      263  LOWPGGVGVFNGCGSQMNTNTDNGARVGGISISISECDKIPTOLGCGKMFPMFNAD  322
      |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
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Db      141  IAMPGGGVGVFNGCSKQW--NGININQGYGFTDRSGCATLPSKQWASCNMRFDMEAD  198
      |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
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Qy      323  NPEVFAAVTCPAEIIIAKTGCR  345
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Db      199  NPTVDMEPVTCPOELVARTGCR  221
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      RESULT 8
      US-09-229-911A-24
      ; Sequence 24, Application US/09229911A
      ; Patent No. 6387690
      ; GENERAL INFORMATION:
      ; APPLICANT: Schuelein, Martin
      ; Andersen, Lene N.
      ; Laessen, Soren P.
      ; Kauppinen, Markus S.
      ; Lange, Lene
      ; Nielsen, Rudy I.
      ; Ihara, Michiko
      ; Takagi, Shinobu
      ; TITLE OF INVENTION: No. 6387690e1 Endoglucanases
      ; NUMBER OF SEQUENCES: 109
      ; CORRESPONDENCE ADDRESS:
      ; ADDRESS: No. 63876900 No. 6387690disk of No. 6387690th America, Inc
      ; STREET: 405 Lexington Avenue, 64th Floor
      ; CITY: New York
      ; STATE: New York
      ; COUNTRY: United States of America
      ; ZIP: 10174-6401
      ; COMPUTER READABLE FORM:
      ; MEDIUM TYPE: Floppy disk
      ; COMPUTER: IBM PC compatible
      ; OPERATING SYSTEM: PC-DOS/MS-DOS
      ; SOFTWARE: Patentin Release #1.0, Version #1.30
      ; CURRENT APPLICATION DATA:
      ; APPLICATION NUMBER: US/09/229,911A
      ; FILING DATE: 13-Jan-1999
      ; CLASSIFICATION: <Unknown>
      ; PRIOR APPLICATION DATA:
      ; APPLICATION NUMBER: 08/651,136
      ; FILING DATE: 21-MAY-1996
      ; ATTORNEY/AGENT INFORMATION:
      ; NAME: Lambitig, Elias J.
      ; REGISTRATION NUMBER: 33,728
      ; REFERENCE/DOCKET NUMBER: 4366.200-US
      ; TELECOMMUNICATION INFORMATION:
      ; TELEPHONE: 212-867-0123
      ; TELEFAX: 212-878-9655
      ; INFORMATION FOR SEQ ID NO: 24:
      ; SEQUENCE CHARACTERISTICS:
      ; LENGTH: 294 amino acids
      ; TYPE: amino acid
      ; TOPOLOGY: linear
      ; MOLECULE TYPE: protein
      ; SEQUENCE DESCRIPTION: SEQ ID NO: 24:
      ; US-09-229-911A-24
      Query Match      36.1%; Score 683.5; DB 4; Length 294;
      Best Local Similarity 58.6%; Pred. No. 1.2e-51;
      Matches 119; Conservative 30; Mismatches 51; Indels 3; Gaps 2;
      144 NGRTIRYDCCPSGAMDPGKSVTKPYLTICADGVSRIGSD-VQSGCVGQAYMCNDNP 202
      21 SGVTRIRWDCCPSGAMGKASVSKPEVGTICDINDNAQTSDLIKSCDGGSAIYCCNGP 80
  
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COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/229,911A

FILING DATE: 13-Jan-1999

CLASSIFICATION: <Unknown>

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: 08/651,136

FILING DATE: 21-MAY-1996

ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366,200-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

LENGTH: 349 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 10:

US-09-229-911A-10

Query Match

Best Local Similarity 35.9%; Score 680; DB 4; Length 349;

Matches 117; Conservative 32; Mismatches 53; Indels 2; Gaps 1;

142 SGNRTTYMCCCKSCAMDKASVTKPVLTCADKGVSRSLSDVSGCVGGAVMCDNQ 201

22 SGGHTTYMCCCKSCAMDKASVTKPVLTCADKGVSRSLSDVSGCVGGAVMCDNQ 81

202 PMVVNDLALYGFPAASLSAGASAFCCGCELTFTNTAVAKKFEVQVNTGDDLSSTNF 261

82 PMVSEDLALYGFPAASLSAGASAFCCGCELTFTNTAVAKKFEVQVNTGDDLSSTNF 141

262 DLQMPGGVGFYFGCGSQMNTNTDGMARVGGISISSECDKLPLOLQAGCKWRGFWKNA 321

142 DLMIPGGGIGIFDGCQAQFGQLLP--GERYGGVSSRSQDGMPELTKDGCQWRDWMFNS 199

322 DNEPVTFAVTCPEATIKTGER 345

200 DNPDIFFEQVQCPKELIIVSGCVR 223

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COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/651,136C

FILING DATE: 21-MAY-1996

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366,200-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 225 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-651-136C-2

Query Match

Best Local Similarity 35.8%; Score 678.5; DB 3; Length 225;

Matches 121; Conservative 26; Mismatches 69; Indels 7; Gaps 4;

129 SSNTGYSPIS---GGFSGNGRTTRRYMCCCKSCAMDKASVTKPVLTCAK-DGVSRLGS 183

4 SATTGFLALPVLALDLSGIGQTRRYMCCCKSCAMPKGP-SSPVQACDKNDNPLNDG 62

184 DVSGC-VGGAOVMCDNQPMVNTDLALYGFPAASLSAGASAFCCGCELTFTNTAVAG 242

63 STSGCAGGASAYMCSQSFPWAVSDLSYGMVAVKLAGSESGWCACCELTFTSGPVAG 122

243 KRFVQVNTGDDLSSTNHPLOMPGGVGFYFGCGSQMNTNTDGMARVGGISISSECDK 302

123 KMTVQVNTGDDLSSTNHPLOMPGGVGFYFGCGSQMNTNTDGMARVGGISISSECDK 182

303 LPTOLQAGCKWRGFWKNAFVTCPEATIKTGER 345

183 PPEALKRCQWRDWMFNSVTPQEVAVCPSELTSKSCSR 225

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COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/229,911A

FILING DATE: 13-Jan-1999

CLASSIFICATION: <Unknown>

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: 08/651,136

FILING DATE: 21-MAY-1996

ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366,200-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

LENGTH: 349 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 10:

US-09-229-911A-2

Query Match

Best Local Similarity 54.3%; Score 680; DB 4; Length 349;

Matches 121; Conservative 26; Mismatches 69; Indels 7; Gaps 4;

129 SSNTGYSPIS---GGFSGNGRTTRRYMCCCKSCAMDKASVTKPVLTCAK-DGVSRLGS 183

4 SATTGFLALPVLALDLSGIGQTRRYMCCCKSCAMPKGP-SSPVQACDKNDNPLNDG 62

184 DVSGC-VGGAOVMCDNQPMVNTDLALYGFPAASLSAGASAFCCGCELTFTNTAVAG 242

63 STSGCAGGASAYMCSQSFPWAVSDLSYGMVAVKLAGSESGWCACCELTFTSGPVAG 122

243 KRFVQVNTGDDLSSTNHPLOMPGGVGFYFGCGSQMNTNTDGMARVGGISISSECDK 302

123 KMTVQVNTGDDLSSTNHPLOMPGGVGFYFGCGSQMNTNTDGMARVGGISISSECDK 182

303 LPTOLQAGCKWRGFWKNAFVTCPEATIKTGER 345

183 PPEALKRCQWRDWMFNSVTPQEVAVCPSELTSKSCSR 225

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COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/229,911A

FILING DATE: 13-Jan-1999

CLASSIFICATION: <Unknown>

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: 08/651,136

FILING DATE: 21-MAY-1996

ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366,200-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

LENGTH: 349 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 10:

US-09-229-911A-2

Query Match

Best Local Similarity 54.3%; Score 680; DB 4; Length 349;

Matches 121; Conservative 26; Mismatches 69; Indels 7; Gaps 4;

129 SSNTGYSPIS---GGFSGNGRTTRRYMCCCKSCAMDKASVTKPVLTCAK-DGVSRLGS 183

4 SATTGFLALPVLALDLSGIGQTRRYMCCCKSCAMPKGP-SSPVQACDKNDNPLNDG 62

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63 STSGCAGGASAYMCSQSFPWAVSDLSYGMVAVKLAGSESGWCACCELTFTSGPVAG 122

243 KRFVQVNTGDDLSSTNHPLOMPGGVGFYFGCGSQMNTNTDGMARVGGISISSECDK 302

123 KMTVQVNTGDDLSSTNHPLOMPGGVGFYFGCGSQMNTNTDGMARVGGISISSECDK 182

303 LPTOLQAGCKWRGFWKNAFVTCPEATIKTGER 345

183 PPEALKRCQWRDWMFNSVTPQEVAVCPSELTSKSCSR 225

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COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/229,911A

FILING DATE: 13-Jan-1999

CLASSIFICATION: <Unknown>

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: 08/651,136

FILING DATE: 21-MAY-1996

ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366,200-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123

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US-09-229-911A-2

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Matches 121; Conservative 26; Mismatches 69; Indels 7; Gaps 4;

129 SSNTGYSPIS---GGFSGNGRTTRRYMCCCKSCAMDKASVTKPVLTCAK-DGVSRLGS 183

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63 STSGCAGGASAYMCSQSFPWAVSDLSYGMVAVKLAGSESGWCACCELTFTSGPVAG 122

243 KRFVQVNTGDDLSSTNHPLOMPGGVGFYFGCGSQMNTNTDGMARVGGISISSECDK 302

123 KMTVQVNTGDDLSSTNHPLOMPGGVGFYFGCGSQMNTNTDGMARVGGISISSECDK 182

303 LPTOLQAGCKWRGFWKNAFVTCPEATIKTGER 345

183 PPEALKRCQWRDWMFNSVTPQEVAVCPSELTSKSCSR 225

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